

XLII.—On a new Genus of Terrestrial Mollusks from Japan.

By ARTHUR ADAMS, F.L.S. &c.

[Plate VII. figs. 11, 12.]

Genus BLANFORDIA, A. Adams.

Rostrum elongatum, transverse corrugatum, ad apicem emarginatum. Tentacula brevissima, triangularia, depressa, ad apicem acuta; oculi sessiles ad basin superiorem tentaculorum; pes magnus, sulco transverso in partes duas divisus, ad latera utrinque lobatus, postice lobo dorsali operculum gerente præditus.

Operculum corneum, subspirale.

Testa ovato-conica, epidermide olivacea obtecta, apice truncato; anfractibus lævibus.

Apertura elliptica; peristomate continuo, incrassato, duplicato, interno subacuto, externo subvaricoso.

1. *B. japonica*, A. Adams. Sado, Japan. Pl. VII. fig. 12.

Tomichia, sp. Annals, Oct. 1861.

2. *B. Bensoni*, A. Adams. Matsumai, Japan. Pl. VII. fig. 11.

Tomichia, sp. Annals, Oct. 1861.

In Japan, at Matsumai and Sado, I discovered two species of terrestrial Mollusks, with similar animals, which (in the 'Annals' for October 1861) I referred to the genus *Tomichia*, Benson, a form of *Truncatellidæ* from the Cape. Since then, I have sent specimens of the shells, accompanied by drawings of the animals, to Mr. Benson; and he assures me that his *Tomichia* are very different. He writes to me as follows:—

"A comparison of the animal of the Cape *Tomichia* with that of your Japanese shells leads to the impression that your discoveries belong to a distinct genus, which, but for the operculum, may rather be regarded as a land-shell. I have examined a specimen, and find it horny and subspiral in construction, the same as that of *Tomichia*, but more solid."

In *Tomichia* the animal is similar to that of *Truncatella*, the tentacles being filiform, and the eyes on tubercles, near the upper bases of the tentacles. The foot is short, with anterior lateral lobes, and with a simple operculigerous lobe.

Mr. Benson found *Tomichia* at the Cape, in a freshwater ditch communicating with a stream which discharges itself into False Bay. "At Bazuarm's Kraal, the adult specimens, for the most part, crept about on the moist earth by the edge of the water; but the younger individuals were immersed, in company with a small soleniform *Cypris*. I observed that, aided by the lightness of their shells, the young *Tomichia* were enabled to swim resupinate at the surface."

In *Blanfordia* the tentacles are short and triangular; in *Tomichia* they are filiform: in *Blanfordia* the eyes are sessile on

the upper bases of the tentacles; in *Tomichia* the eyes are placed upon tubercles near the upper bases of the tentacles. The foot in *Blanfordia* would seem to be somewhat similar to that of *Tomichia*, being lobed on each side in front and with a posterior dorsal lobe which bears the operculum. Both my species are found on damp banks covered with vegetation, in rocky situations near the sea.

I have dedicated the genus to my friend W. T. Blanford, who has discovered many new and interesting forms of Land-Mollusks in India.

XLIII.—*Characters of new Operculate Land-Shells from the Andamans, and of Indian and Burmese Species of Pupa.* By W. H. BENSON, Esq.

1. *Helicina Scrupulum*, B.

H. testa parva, sublenticulari, crassiuscula, sublævigata, vix nitidula, minutissime oblique striatula, superne fuscescente, anfractu ultimo albedo-cornea, supra peripheriam fasciis 2 rufescentibus inferiore latiore ornata; spira depresso-conoidea, apice obtuso, sutura lineari; anfractibus $4\frac{1}{2}$, superioribus vix convexiusculis, ultimo obtuse angulato; apertura obliqua, subtriangulari-lunata; peristomate expanso, reflexiusculo, marginibus callo magno incrassato subcirculari retrorsum expanso polito junctis. Operculo tenui, albedo.

Diam. 5, alt. 3 mill.

Habitat in insulis Andamanicis.

This is the second species of *Helicina* which has been found in the Andamans. A single specimen, fortunately in good order, was received by Mr. W. Theobald.

2. *Omphalotropis disterrina*, B.

O. testa perforata, globoso-conica, oblique striatula, supra suturam, ad peripheriam, et circa umbilicum oblique vel radiatim costulato-striata, sub epidermide fusca non nitente albida; spira acuminato-conica, apice acutiusculo, sutura profunda; anfractibus 6, convexis, ultimo ad peripheriam et circa umbilicum subcarinato, carina umbilicali extus linea impressa notata; apertura subobliqua, angulato-ovata, spiram æquante; peristomate recto, acuto, marginibus remotioribus callo tenui junctis; columellari subincrassato.
Operc. — ?

Long. 3, diam. $2\frac{1}{2}$ mill.

Habitat in insulis Andamanicis.

A single specimen, deprived of the operculum, was sent by Mr. W. Theobald as a *Cyathopoma*. The aperture, the mode of